

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number  
**WO 2005/040687 A2**

- (51) International Patent Classification<sup>7</sup>: **F24F**
- (21) International Application Number:  
PCT/KR2004/002377
- (22) International Filing Date:  
16 September 2004 (16.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
10-2003-0074387 23 October 2003 (23.10.2003) KR
- (71) Applicant (for all designated States except US): **LG ELECTRONICS INC.** [KR/KR]; 20, Yoido-Dong, Yongsongpo-Gu, Seoul 150-010 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **EOM, Yoon-Seob** [KR/KR]; Woosung Apt. 101-1006, Namyang-Dong, Changwon, Gyungsoangnam-Do 641-091 (KR). **KOO, Jeong-Hwan** [KR/KR]; 18/4, 1346-22, Daeyeon 5-Dong, Nam-Gu, Busan 608-808 (KR). **PARK, Nae-Hyun**

[KR/KR]; 17-346, Bulgwang 1-Dong, Eunpyeong-Gu, Seoul 122-847 (KR). **HAN, Dong-Joo** [KR/KR]; 944-3, Dongsam 2-Dong, Yeongdo-Gu, Busan 606-804 (KR). **RYOO, Byeong-Jo** [KR/KR]; Daedong Cheongsol Apt. 103-1905, Anmin-Dong, Changwon, Gyungsoangnam-Do 641-150 (KR).

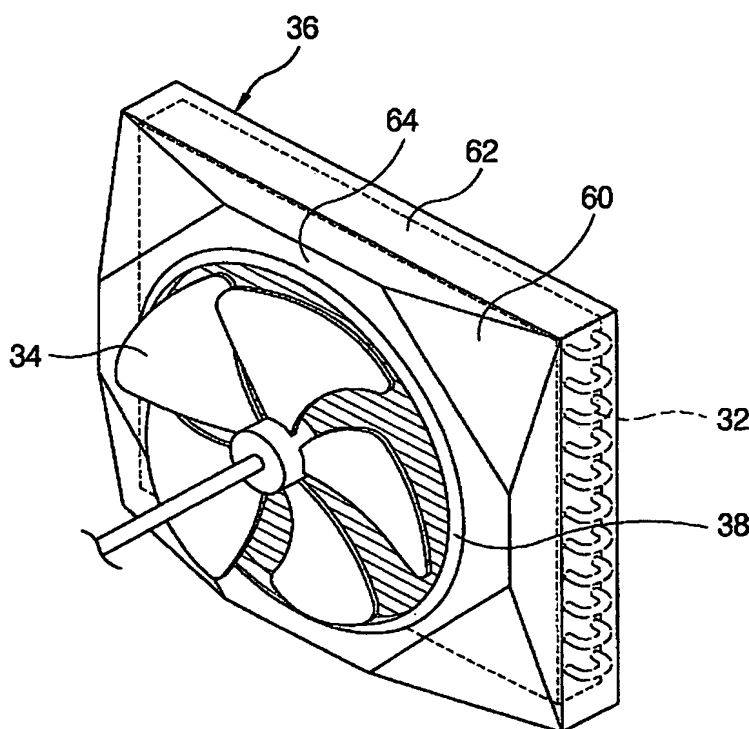
(74) Agent: **PARK, Jang-Won**; Jewoo Bldg. 5th Floor, 200, Nonhyun-Dong, Gangnam-Gu, Seoul 135-010 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: WINDOW TYPE AIR CONDITIONER



(57) Abstract: A window type air conditioner comprises: a case of which one side is positioned at an outdoor side and another side is positioned at an indoor side; an axial fan mounted in the case, for blowing air in a radius direction thereof; an outdoor heat exchanger for heat-exchanging outdoor air blown by the axial fan; and a shroud having the outdoor heat exchanger therein, for guiding the air blown by the axial fan, wherein an inclination surface is formed at an edge of the shroud in order to smoothly flow air introduced in a radius direction. According to this, a flow resistance of air is minimized and an air volume is increased.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

- *without international search report and to be republished upon receipt of that report*